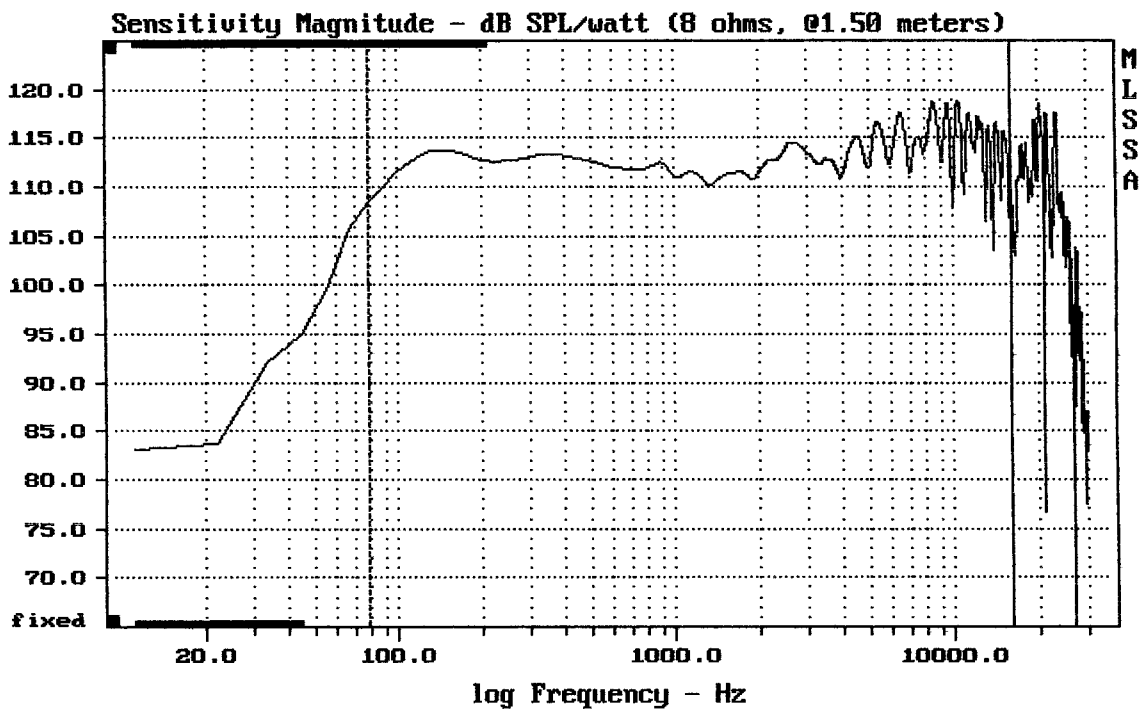


Overlay Compare: dev= +18/-8, std= 4, avg= -21

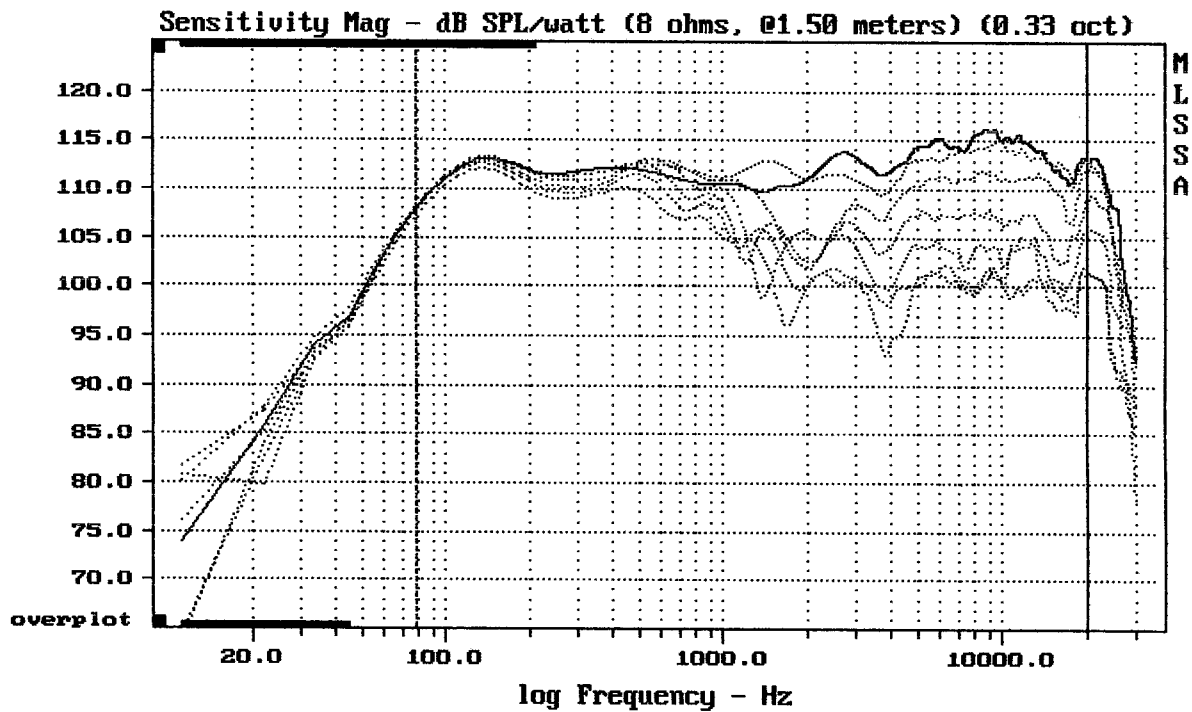
SA1521

MLSSA: Frequency Domain



mean: 114.20, rms: 114.53, std: 2.17, max: 118.67, min: 103.52

SA1521

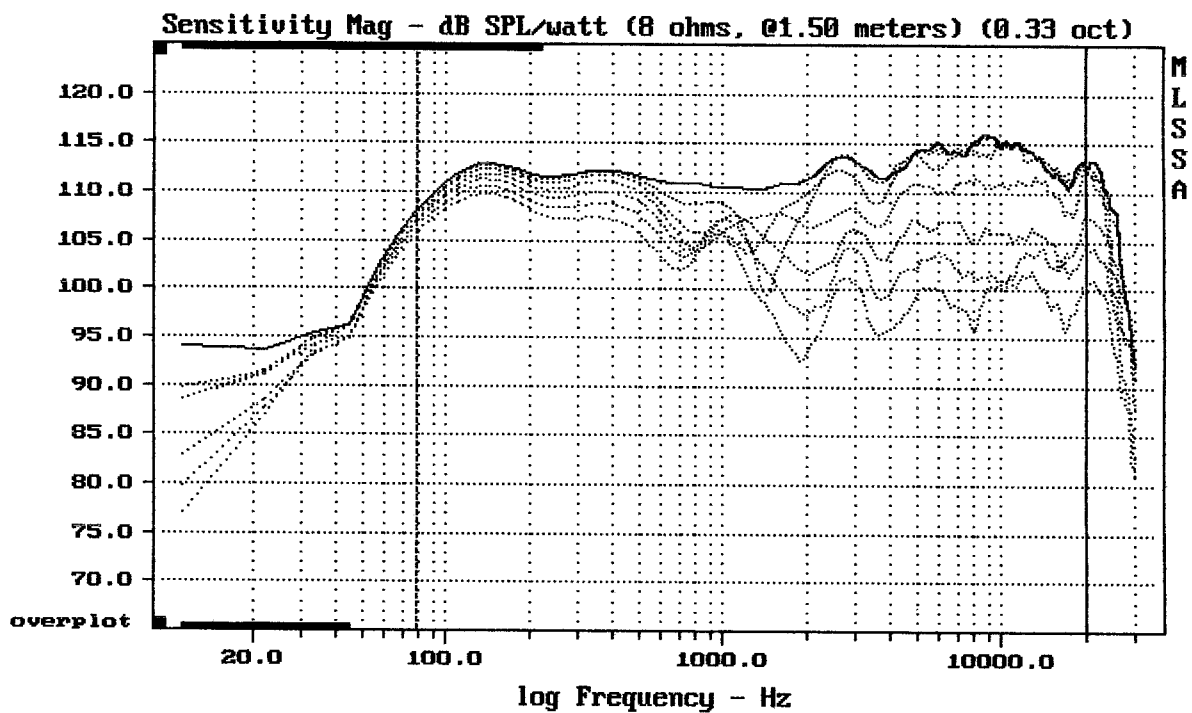


Overlay Compare: dev= +13/-5.2, std= 3, avg= -13

SA1521

$0 = 60^\circ$  *down*

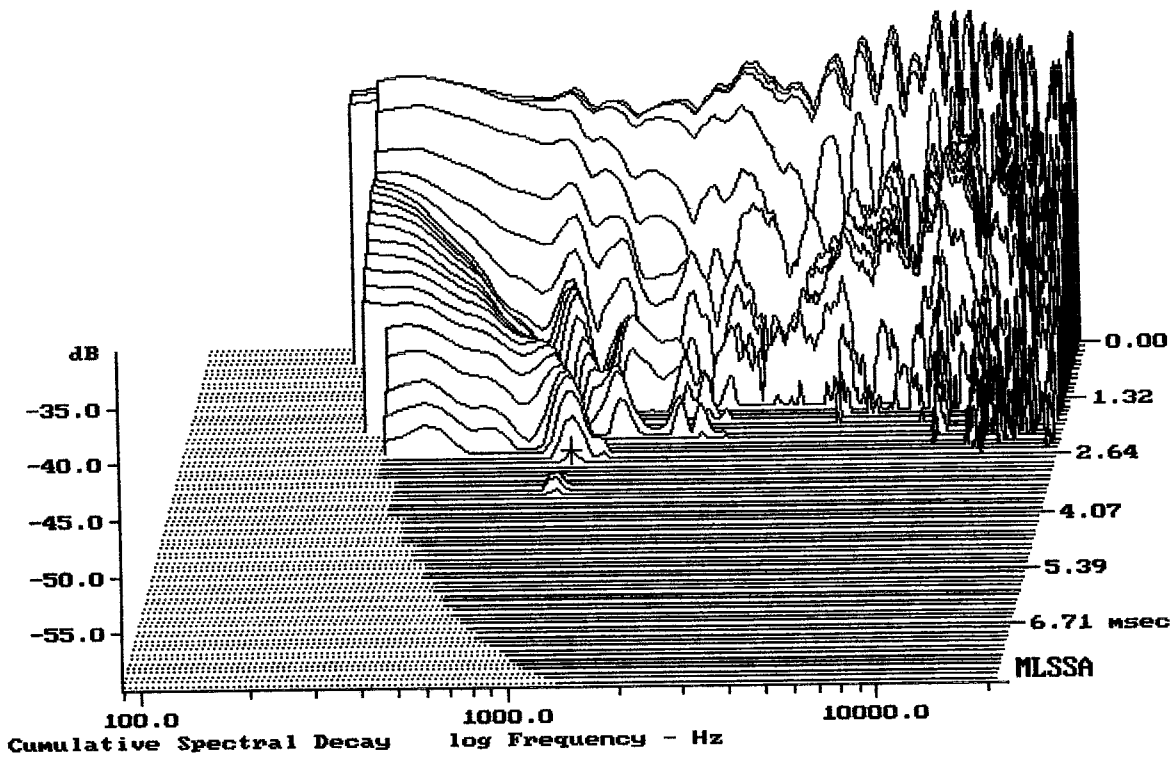
MLSSA: Frequency Domain



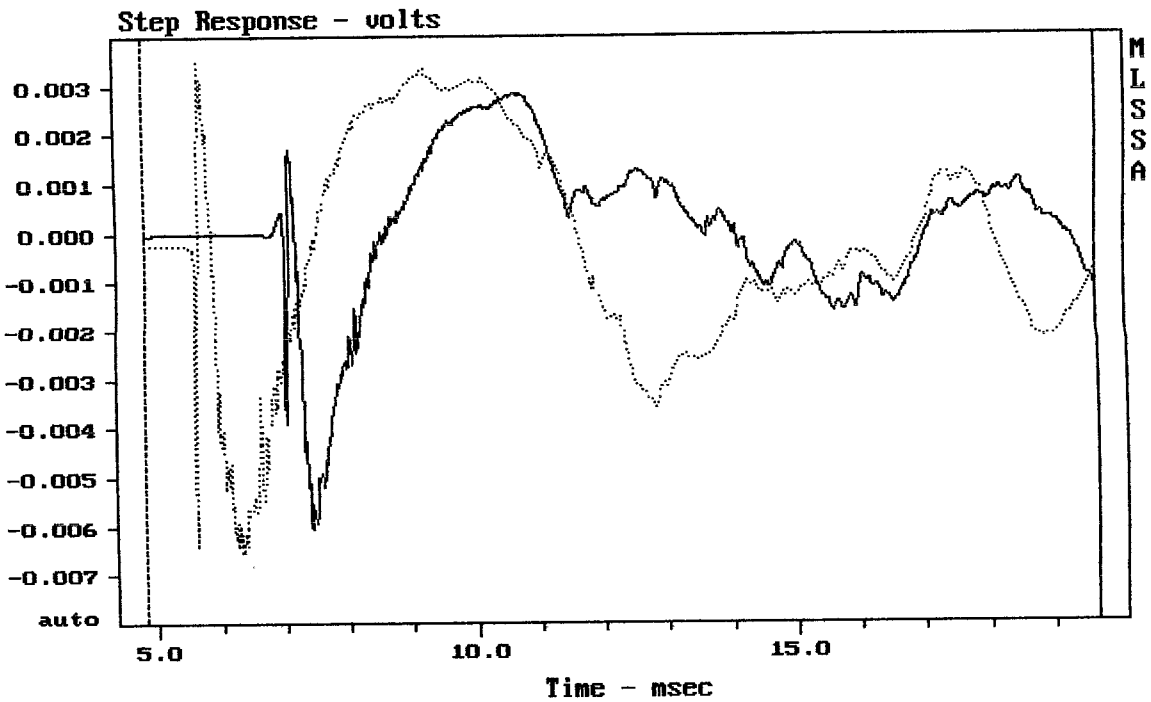
Overlay Compare: dev= +12/-5.7, std= 2.5, avg= -14

SA1521

$0 = 60^\circ$  *up*



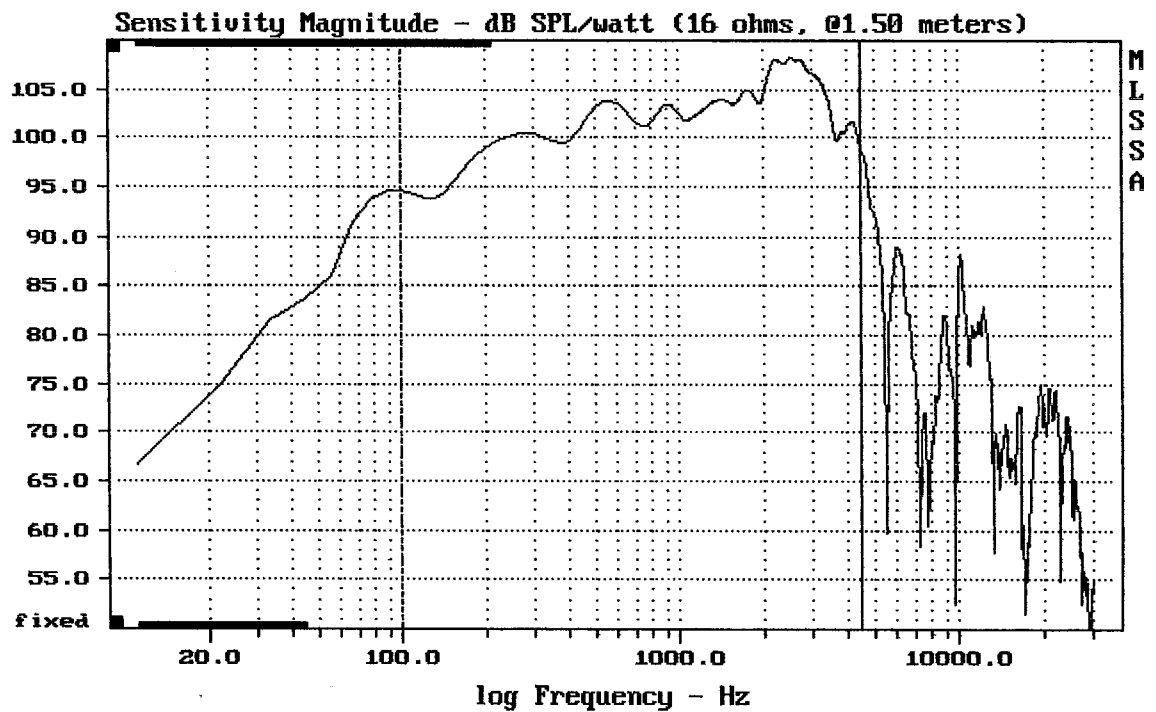
-59.03 dB, 1021 Hz (23), 2.750 msec (26)



CURSOR: y = -0.0011279 x = 19.6680 (1788)

SA1521

60 Hz / 700  $\mu$ sec 15"



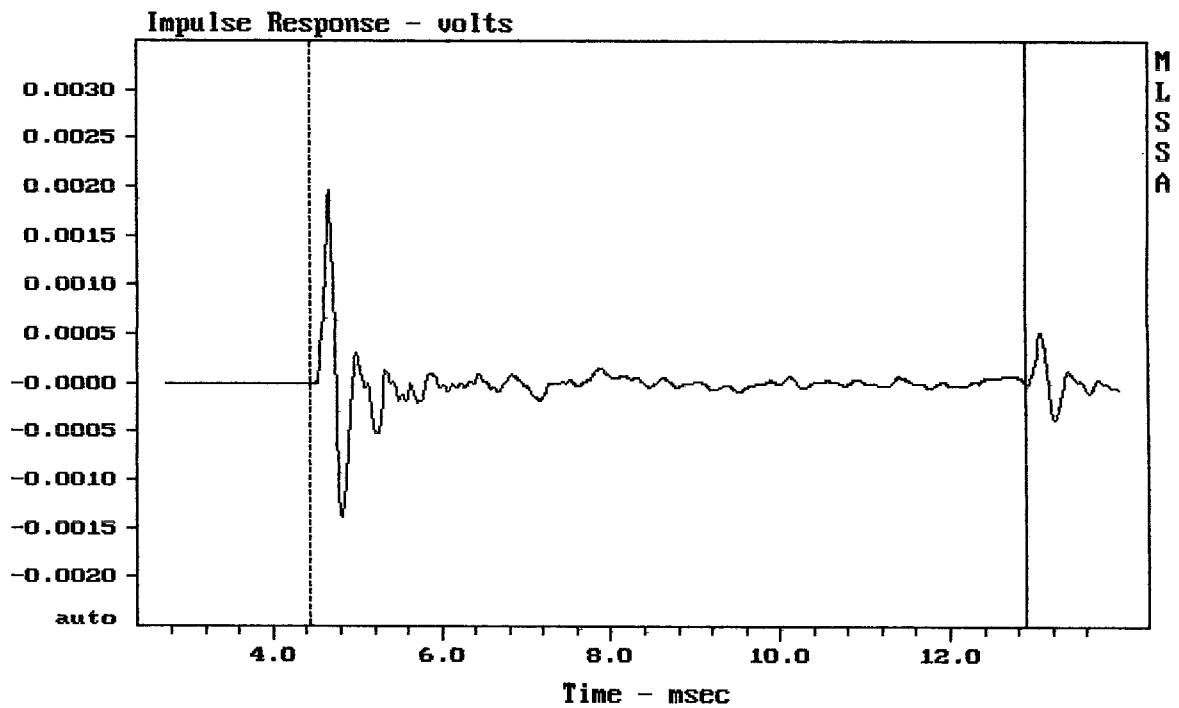

---

Level (100:4506 Hz) = 102.75 dB SPL/watt (16 ohms, @1.50 meters)

---

MACKIE 15" FROM SA1521

MLSSA: Frequency Domain




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CURSOR:  $y = 8.32502e-006$   $x = 12.8920$  (1172)

---

MACKIE 15" FROM SA1521

Measured Data

QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.81	Ohms
2	Fs	41.22	Hz
3	Re	11.12	Ohms[dc]
4	Res	222.67	Ohms
5	Qms	7.28	
6	Qes	0.36	
7	Qts	0.35	
8	L1	0.37	mH
9	L2	2.07	mH
10	R2	10.28	Ohms
11	RMSE-load	1.03	Ohms
12	Vas(Sd)	245.36	liters
13	Mms	58.72	grams
14	Cms	254	$\mu\text{M}/\text{Newton}$
15	Bl	21.58	Tesla-M
16	SPLref(Sd)	98.6	dB[Re]
17	Rub-index	0.00	

Method: Mass-loaded (80.00 grams)

Area (Sd): 829.58 sq cm

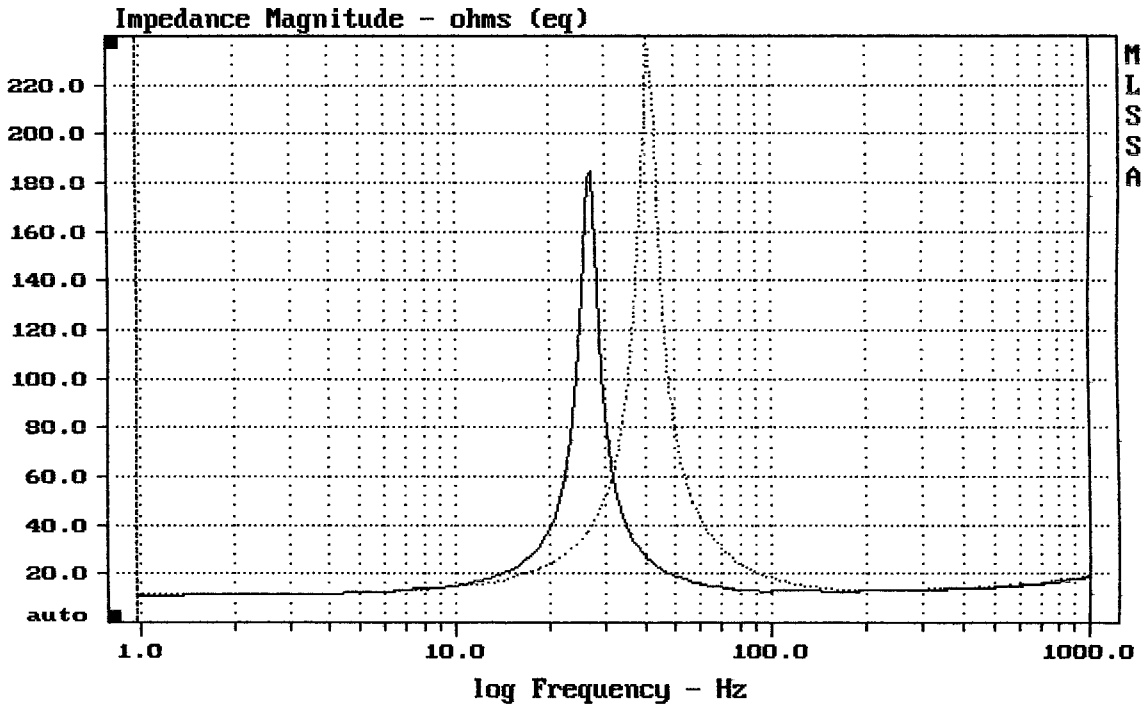
DCR mode: Measure (-0.09 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -35.2% (-20% to -50% is recommended).

MACKIE 15" FROM SA1521

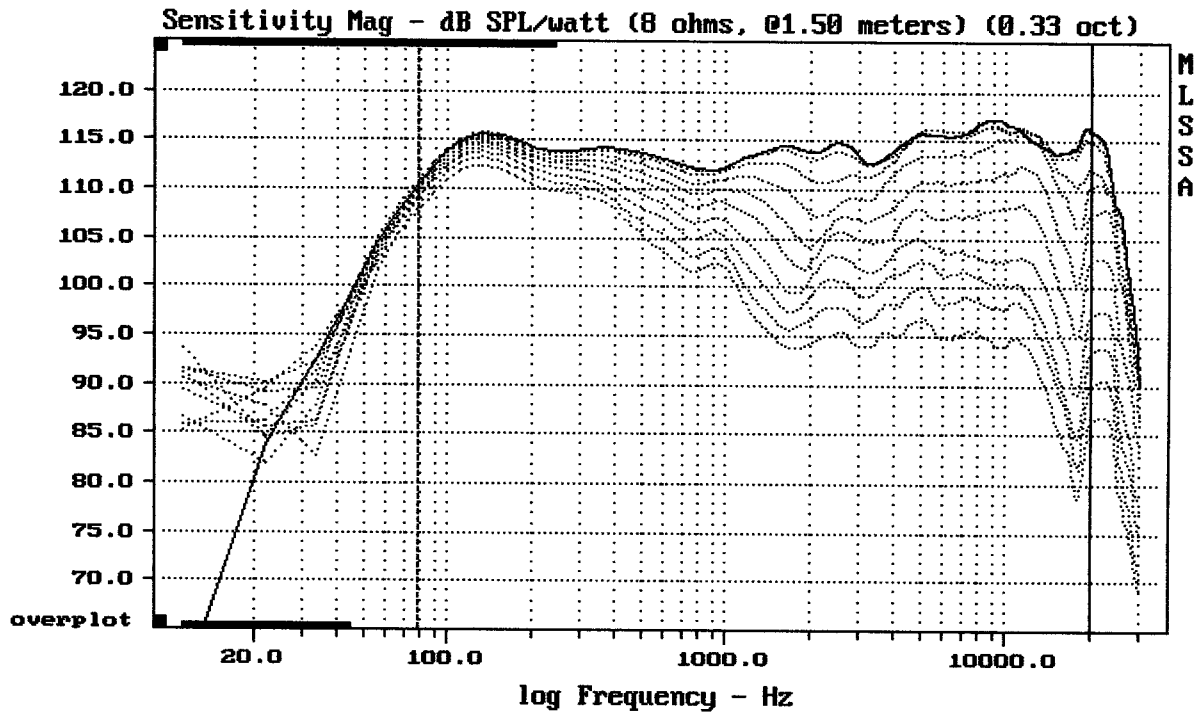
MLSSA: Parameters



CURSOR: dy = -0.748798 x = 1000.9766 (1025)

MLSSA: Frequency Domain

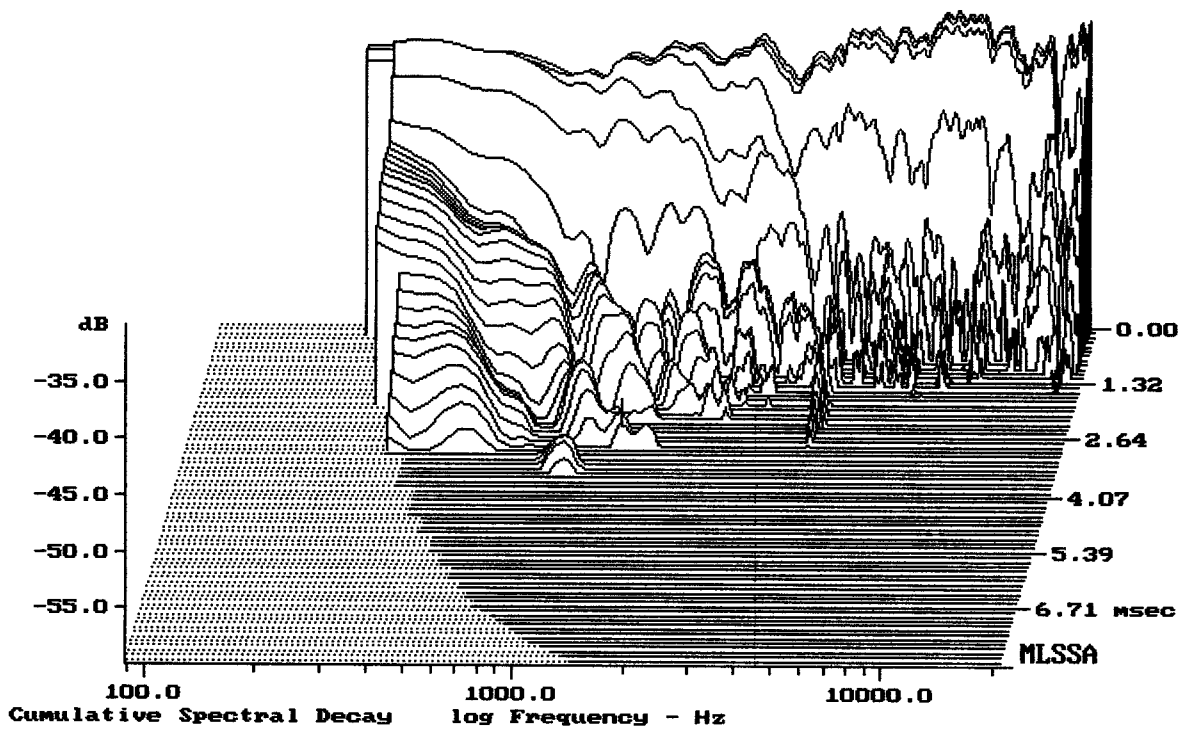
60192 coil  $\phi$  63mm  $H_{v2} = 13\text{mm}$   $H_B = 8\text{mm}$



Overlay Compare: dev= +21/-13, std= 6.2, avg= -23

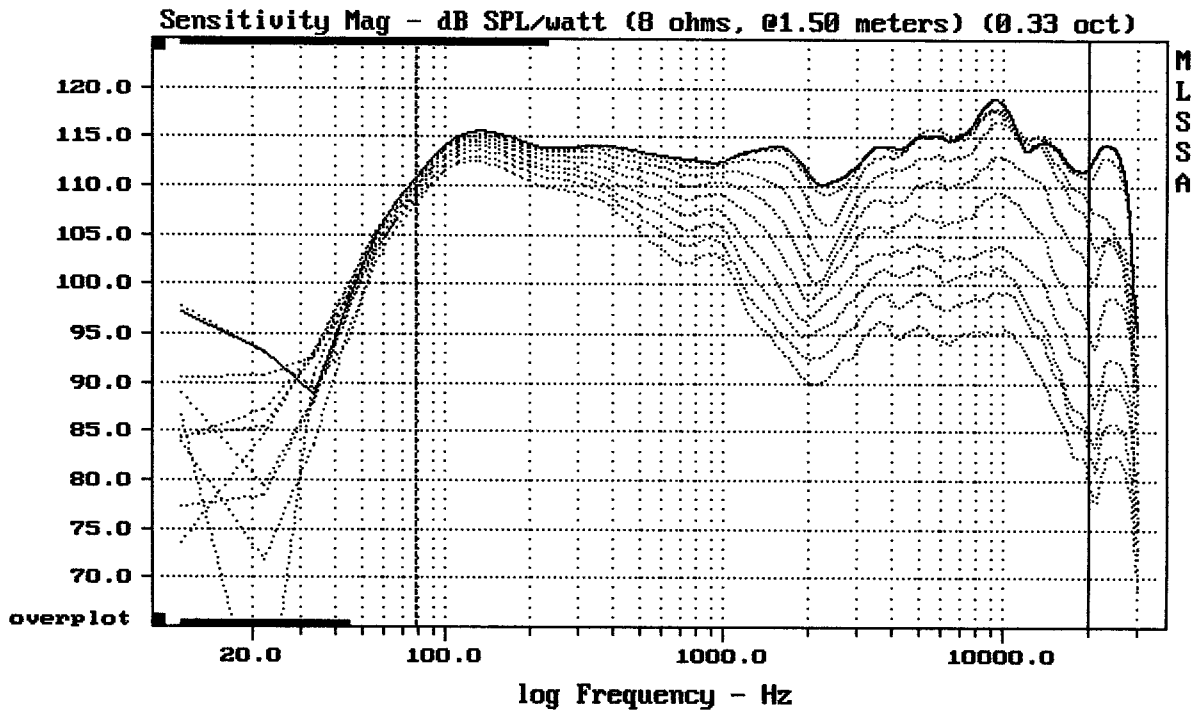
SA1521 NEW

MLSSA: Frequency Domain



-57.52 dB, 1332 Hz (30), 2.750 msec (26)

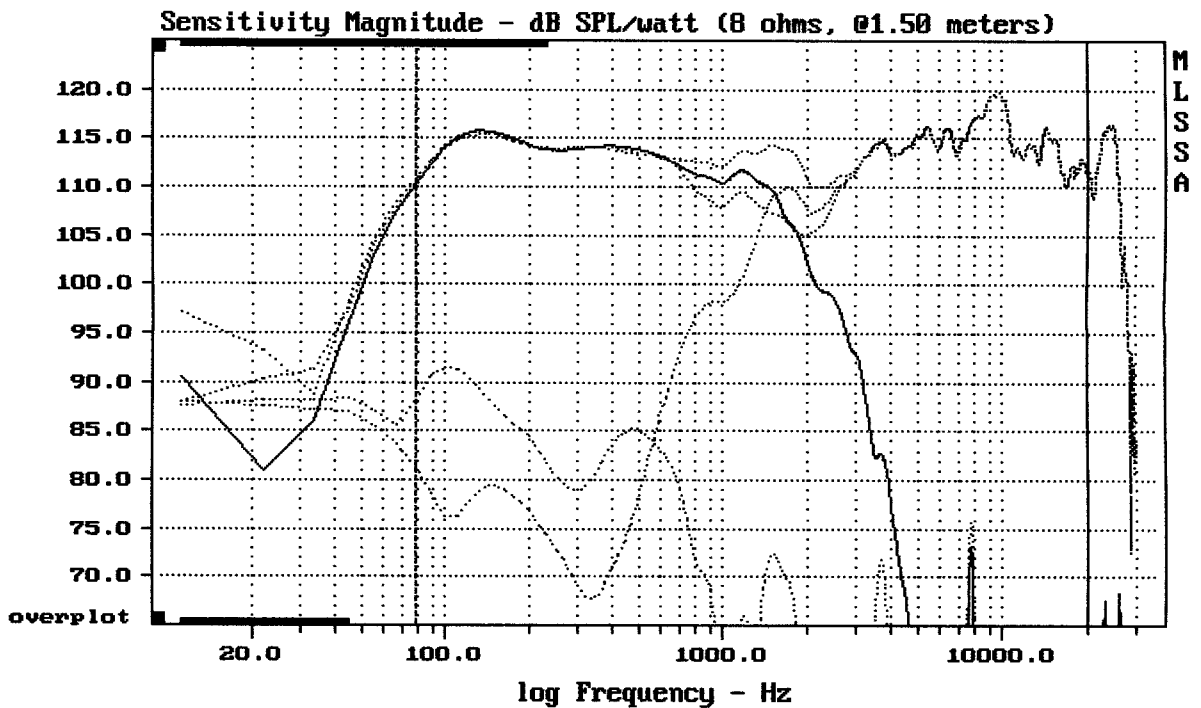
S CD 1740 M73



Overlay Compare: dev= +20/-9.1, std= 5, avg= -22

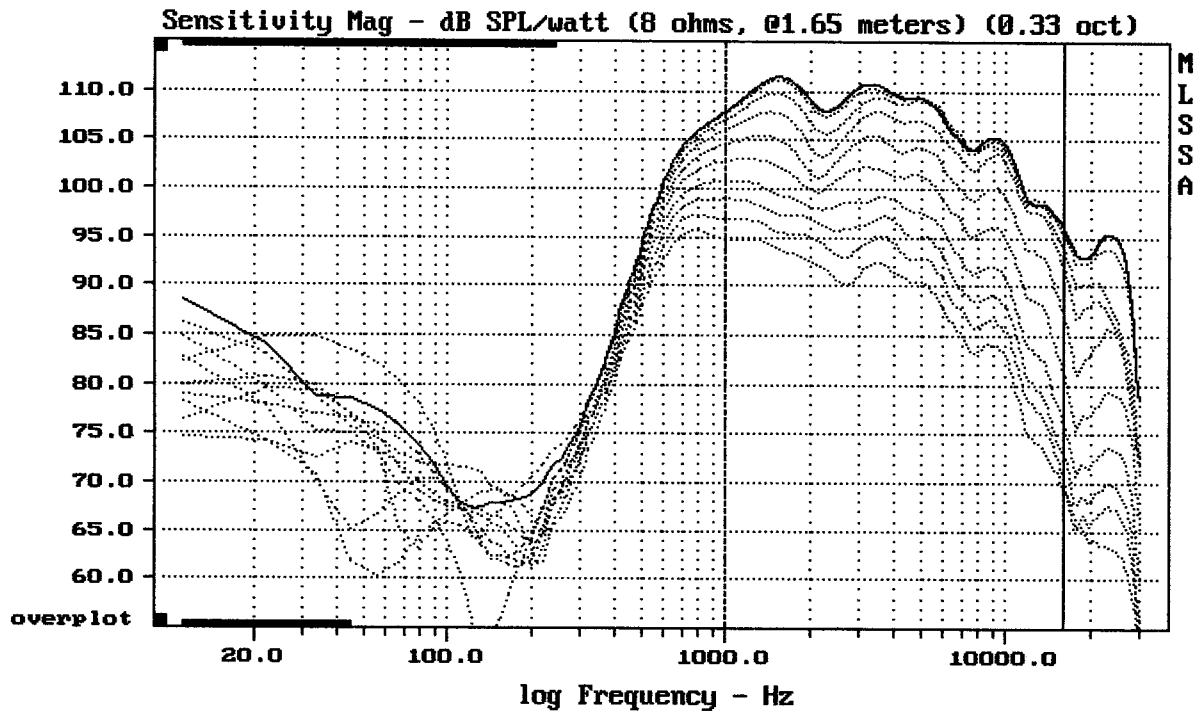
SA1521 NEW

MLSSA: Frequency Domain



CURSOR: y = 111.253 x = 19997.3360 (1802)

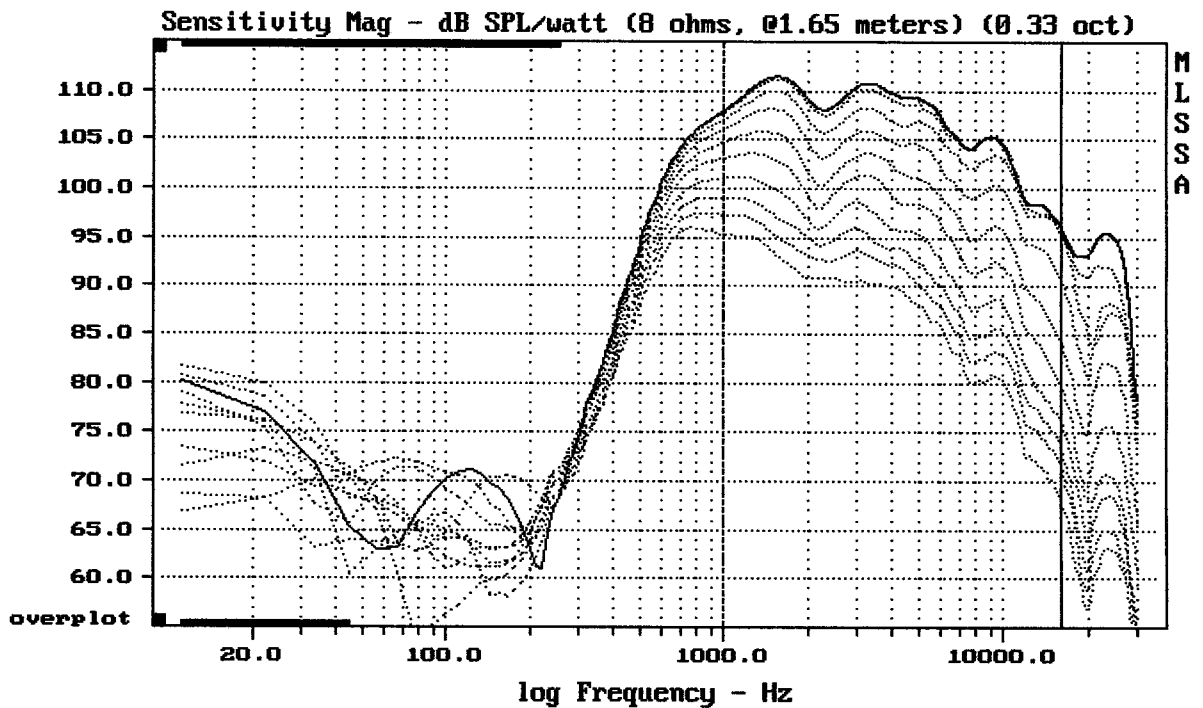
SA1521 NEW



Overlay Compare: dev= +8.1/-5.4, std= 3, avg= -21

1"+ HORN SA1521 NEW

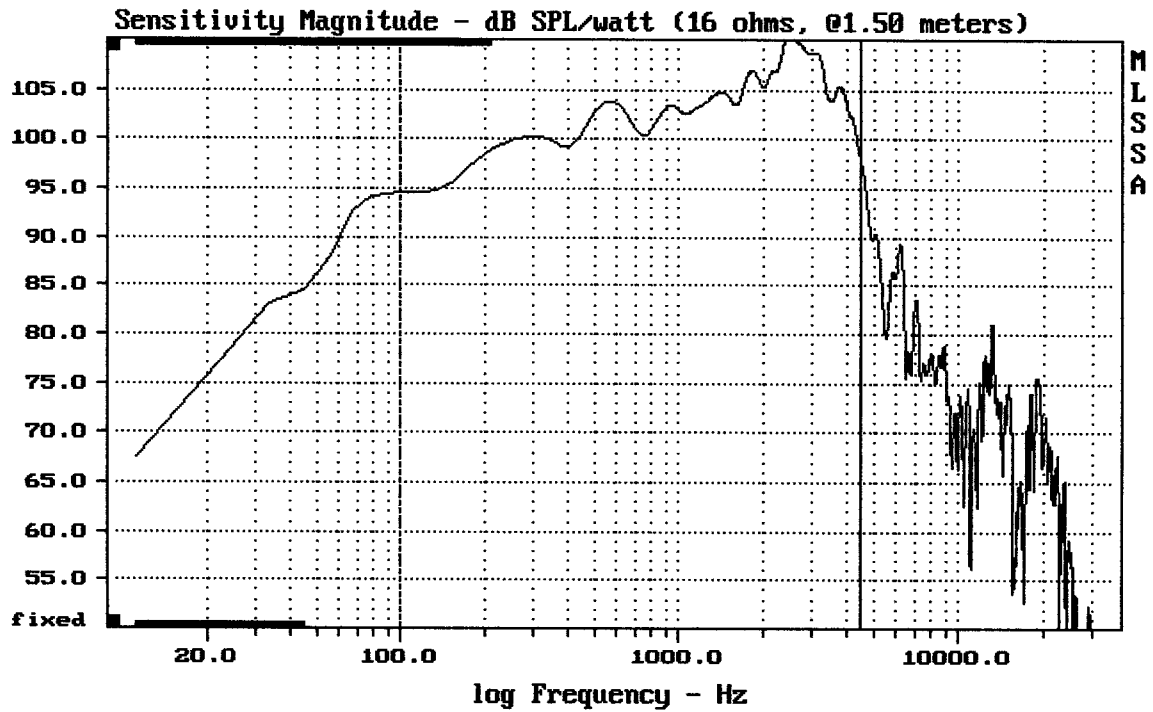
MLSSA: Frequency Domain



Overlay Compare: dev= +11/-4.8, std= 3.2, avg= -23

1"+ HORN SA1521 NEW

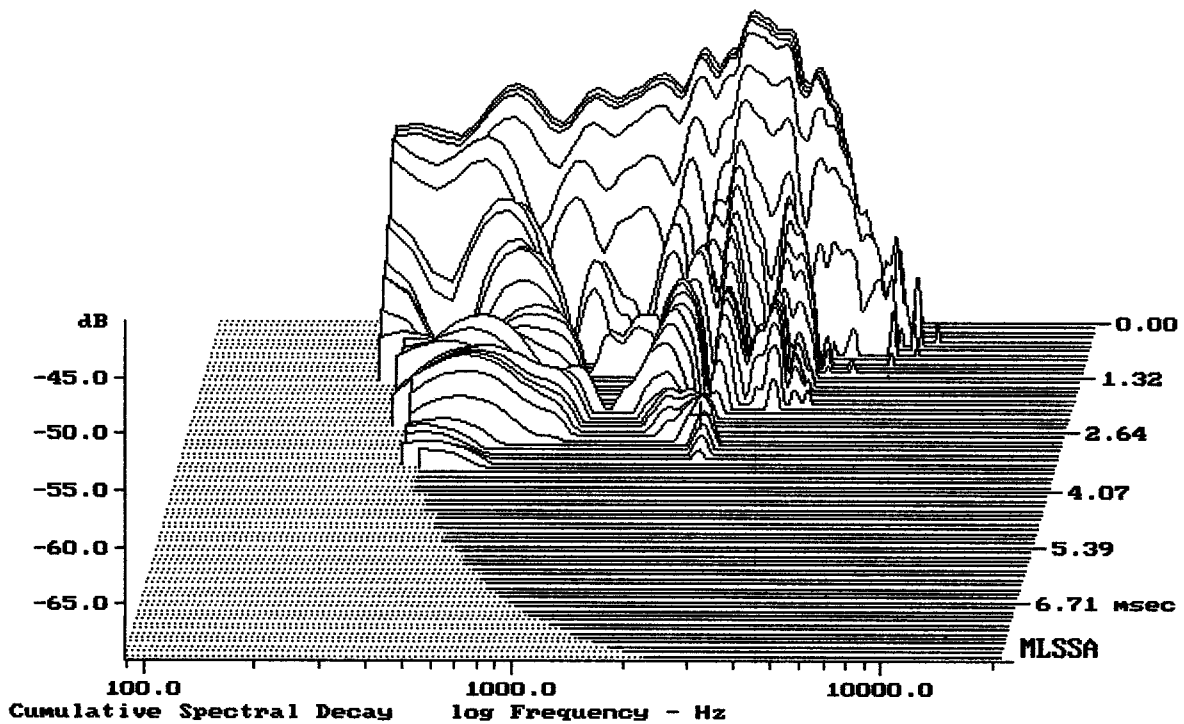




Level (100:4494 Hz) = 103.58 dB SPL/watt (16 ohms, @1.50 meters)

15" SA1521 NEW

MLSSA: Frequency Domain



-67.28 dB, 2219 Hz (50), 2.970 msec (28)

Measured Data

QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.71	Ohms
2	Fs	36.98	Hz
3	Re	9.71	Ohms[dc]
4	Res	210.38	Ohms
5	Qms	8.64	
6	Qes	0.40	
7	Qts	0.38	
8	L1	0.36	mH
9	L2	2.08	mH
10	R2	12.90	Ohms
11	RMSE-load	1.22	Ohms
12	Vas(Sd)	348.52	liters
13	Mms	54.61	grams
14	Cms	339	$\mu\text{M}/\text{Newton}$
15	Bl	17.58	Tesla-M
16	SPLref(Sd)	98.3	dB[Re]
17	Rub-index	0.00	

Method: Mass-loaded (80.00 grams)

Area (Sd): 855.30 sq cm

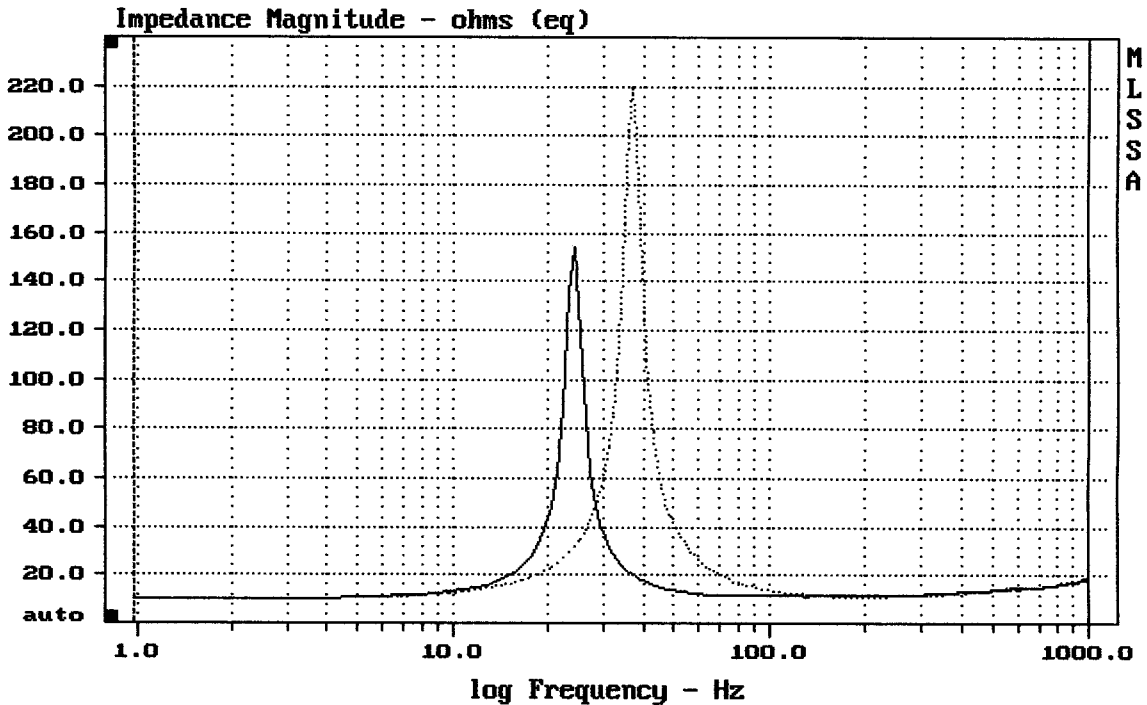
DCR mode: Measure (-0.06 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -34.7% (-20% to -50% is recommended).

15" SA1521 NEW

MLSSA: Parameters



mean: 16.59, rms: 22.6, std: 15.34, max: 219.4, min: 9.782

15" SA1521 NEW

MLSSA: Frequency Domain